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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                      Database :
                                                                                                                                                                                                                                                                                                                                                                                                    Minimum DB seq length: 0
Maximum DB seq length: 200000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Title:
Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  al number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          rched:
                                                                        SPTREMBL 21:*

1: sp_archea:*
2: sp_bacteria:*
3: sp_fungi:*
4: sp_human:*
5: sp_invertebrate
6: sp_mammal:*
7: sp_mbc:*
8: sp_organelle:*
9: sp_bage:*
10: sp_plage:*
11: sp_rodent:*
12: sp_virus:*
13: sp_vertebrate
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BLOSUM62
Gapop 10.0 , Gapext 0.5
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965
1 MRRGPRSLRGRDAPAPTECV.....ATELGSTELVTTKTAGPEQQ 184
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435.778 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.
sp_organelle:*
sp_phage:*
sp_plant:*
sp_rodent:*
sp_virus:*
sp_vertebrate:*
sp_writebrate:*
sp_rvirus:*
sp_rvirus:*
sp_archeap:*
                                                                                                                                                                          sp_invertebrate:*
sp_mammal:*
sp_mhc:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

16	15	14	13	12	11	10	9	80	7	0	ъ	4.	ω	2	1	Result No.
106.5	106.5	108	108.5	109	109	111	111.5	111.5	112	116	116	116.5	119	120	410.5	Score
11.0	11.0	11.2	11.2	11.3	11.3	11.5	11.6	11.6	11.6	12.0	12.0	12.1	.12.3	12.4	42.5	Query Match I
1212	268	1318	994	3084	221	801	991	957	530	862	306	3247	552	703	175	Length
16	11	12	10	12	16	σ	4.	.4	11	4	16	12	10	v	11	DB
Q9L1C8	Q9CUC7	P90493	Q9ZR75	Q8UZ11	Q9AD79	Q23635	Q9HCI5	Q8TD92	088276	Q9NT23	Q9EWE2	Q65553	Q96343	Q9N5P3	Q8R4W8	ID
Q911c8 streptomyce	Q9cuc7 mus musculu	P90493 herpes simp	Q9zr75 selaginella	Q8uz11 pseudorabie	Q9ad79 streptomyce	Q23635 caenorhabdi	Q9hci5 homo sapien	Q8td92 homo sapien	O88276 mus musculu	Q9nt23 homo sapien	Q9ewe2 streptomyce	Q65553 bovine herp	Q96343 brassica na	Q9n5p3 caenorhabdi	Q8r4w8 mus musculu	Description

RESULT 2

;	Д	44	43	42	41	40	.39	38	37	36	35	<u>3</u> 4	ü	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17
,	101.5	102	102	102	102	102	102	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	103	103	103	103	103.5	103.5	103.5	104	104	104.5	104.5	104.5
,	10 5	10.6	10.6	•	10.6	10.6	10.6	10.6	10.6	•	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.8	10.8	10.8	10.8	10.8
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i d	0981160	61ZD8O	Q9DBD5	Q9P206	Q91YM9	Q9AYM0	Q8VCX3	Q96SC6	Q96SC5	Q96DN6	Q96Q00	Q9P2B0	Q969V6	Q8TCL1	Q98T94	088699	095515	Q66666	Q9P6T1	042854	Q8SXU6	Q99307	Q29109	Q8T6J7	QVZM6Ö	Q9WVA7	088778	Q99IE5	Q99IE7
1		Q8uzi9 cercopithic		Q9p206 homo sapien		Q9aym0 oryza sativ	Q8vcx3 mus musculu	Q96sc6 homo sapien	Q96sc5 homo sapien	homo	Q96q00 homo sapien	Q9p2b0 homo sapien	homo	Q8tcl1 homo sapien	Q98t94 xenopus lae	O88699 mus musculu	095515 homo sapien	Q66666 equine herp	. Q9p6t1 neurospora		Q8sxu6 drosophila		m	Q8t6j7 clonorchis	O	Q9wva7 mus musculu		Q99ie5 rubella vir	Q99ie7 rubella vir

ALIGNMENTS

dg Qy	B &	당 왕	M B Q	RESULTI OR RANGE OR ARA RANGE OR RANGE
124 PEPLDKVIILSPGISDATAPAMPPPGEDPGTTPPGHSVPVPATELGSTELVTTKTAGPEQ 183 	66 GAGEAALPLPGLLFGAPALIGLALVLALV-LVGLVSWRRRQRRLRGASSAEAPDGDKDA- 123 	6 RSLRGRDAPAPTPCVPAECFDLLVRHCVACGLLRTPRPKPAGASSPAPRTALQPQESVGA 65	Query Match 42.5%; Score 410.5; DB 11; Length 175; Best Local Similarity 56.1%; Pred. No. 9.1e-25; Matches 101; Conservative 9; Mismatches 55; Indels 15; Gaps 6;	IMT 1 QBR4WB PRELIMINARY; PRT; 175 AA. QBR4WB; 01-JUN-2002 (TYEMBLrel. 21, Created) 01-JUN-2002 (TYEMBLrel. 21, Last sequence update) 01-JU

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RESULT 3
Q96343
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Best Local S
Matches 43
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PRINTS; PRO0700; PRTYPHPHTASE.
SMART; SM000194; PTPC; 1.
SMART; SM000194; PTPC DSPC; 1.
SMART; SM00010; PTPC motif; 1.
SMART; SM00404; PTPC motif; 1.
PROSITE; PS000383; TYR PHOSPHATASE 1; 1.
PROSITE; PS50055; TYR PHOSPHATASE 2; 1.
PROSITE; PS50055; TYR PHOSPHATASE PTP; 1.
Q96343
Q963437,
Q1-FEB-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Direct Submission.";
Submitted (SEP-2001) to the EMBL/GenBank/DDBJ
EMBL; ACOG6551; AAF39870.2; -.
HSSP; Q06124; 2SHP.
InterPro; IPR000340; DS_phosphatase.
InterPro; IPR0003965; P_rich_extensn.
InterPro; IPR002965; P_rich_extensn.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A.
STRAIN-BRISTOL N2;
MEDLINE=99069613; PubMed=9851916;
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01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation update)
Hypothetical 78.4 kDa protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Latreil P., Woessner J., Harrison M.; "The sequence of C. elegans cosmid H06I04."; Submitted (MAR-1999) to the EMBL/GenBank/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A. STRAIN-BRISTOL N2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Caenorhabditis elegans.
Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida;
Rhabditidae; Peloderinae; Caenorhabditis.
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Science 282:2012-2018(1998).
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01-OCT-2000
                                                                                                                                                                                                                                                                                                                     Hydrolase;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Waterston R.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      InterPro; IPR000387; TYR
InterPro; IPR000242; Tyr
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                                                                                           249
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                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                     GEAALPLPGLLFGAPALLGLALVLALVLVGLVSWRRRQRRLRGASSAEAPDGDKDAPEPL
                                                                                                                  DKVIILSPGISDATAPAWPPPGEDPGTTPPGHSVPVPATELGSTELVTTKTAGP
                                                                                                                                              SNAATEASNMVW---YIIGGVVILLLVIVGIAVFLIMRKKSK-PSSSEVPPAEPSAPEP-
                                                                                                                                                                                                  LHARPPPTPAPITPPK-----SQSPPALPSPSPSPHGASGAAHAPVTESPIKSTSTA
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703 AA; 78
(TrEMBLrel.
                          PRELIMINARY;
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78402 MW; D
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PTPc_motif.
P_rich_extensn.
TYR_phosphatase.
                                                                                                                                                                                                                                                               12.48;
                                                                                         -KPA-PKPDPKPDPKPDPKPDPVPAKPVSPPVIVPIDSIVP
2
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Created)
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                          PRT;
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RESULT 4
Q65553
ID Q655
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Best Local Similarity
Matches 51; Conserv
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Q65553;
01-NOV-1996
01-NOV-1996
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NON TER
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                                                                                   Schwyzer M., Styger D., Vogt
LaBoissiere S., Misra V., VI
Vet. Microbiol. 0:0-0(1996).
                                                                                                                                                                STRAIN=COOPER;
Schwyzer M., Vlcek C.,
Thiry B., Paces V.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL; U59446; AAC08051.1; -.
HSSP; P18674; 1JOT.
InterPro; IPR001229; Jacalin_lectin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Brassica napus (Rape).

Eukaryota; Viridiplantae; Streptophyta; Embryophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core et
eurosids II; Brassicales; Brassicaceae; Brassica.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-FEB-1997 (TrEMBLrel. 02, Last sequence update)
01-MAR-2002 (TrEMBLrel. 20, Last annotation update)
Myrosinase-binding protein related protein (Fragment).
STRAIN=JURA;
                                                                                                                                                                                                                    Alphaherpesvirinae;
NCBI_TaxID=10320;
                                                                                                                                                                                                                                             Bovine herpesvirus 1.
Viruses; dsDNA viruses,
                                                                                                                                                                                                                                                                                          01-JUN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Taipalensuu J., Falk A., Ek B., Rask L., "Myrosinase-binding proteins are derived and repetitive transcript.",
Eur. J. Biochem. 243:605-611(1997).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A.
STRAIN=20516 OF SVALOFS KARAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=3708;
                               Submitted (AUG-1996) to the EMBL/GenBank/DDBJ
                                                   SEQUENCE FROM STRAIN=COOPER;
                                                                                                                      STRAIN=COOPER;
                                                                                                                                                         Submitted
          SEQUENCE OF 1-179 FROM N.A.
                                          Schwyzer M.
                                                                                                                                SEQUENCE OF 1-179 FROM
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(TrEMBLrel.
(TrEMBLrel.
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Varicellovirus.
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7., Vlcek (
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Pred. No. 0.
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Paces
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Best Local
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Bentley S.D., Chater K.F., Cerdeno-Tarraga A.-M., Challis G.L.,
Thomson N.R., James K.D., Harris D.E., Quail M.A., Kieser H.,
Harper D., Bateman A., Brown S., Chandra G., Chen C.W., Collins M.,
Cronin A., Fraser A., Goble A., Hidalgo J., Hornsby T., Howarth S.,
Huang C.-H., Kieser T., Larke L., Murphy L., Oliver K., O'Neil S.,
Rabbinowitsch B., Rajandream M.A., Rutherford K., Rutter S.,
Seeger K., Saunders D., Sharp S., Squares R., Squares S., Taylor K.,
Marren T., Wietzorrek A., Woodward J., Barrell B.G., Parkhill J.,
                                 Hopwood D.A.;

"Complete genome sequence of the model coelicolor A3(2).";

Nature 417:141-147(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Streptomyces coelicolor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hypothetical protein SCO4865 OR SCK20.06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-MAR-2001 (TrEMBLrel. 16,
01-MAR-2001 (TrEMBLrel. 16,
01-JUN-2002 (TrEMBLrel. 21,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Q9EWE2;
01-MAR-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              InterPro; IPR005210; Herpes UL36.
Pfam; PF03586; Herpes UL36; 1.
SEQUENCE 3247 AA; 332190 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL; Z78205; CAB01605.1;
EMBL; AJ004801; CAA06097.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Schwyzer M., Styger D., Vogt B., Lowery D.B., LaBolssiere S., Misra V., Vlcek C., Paces V., "Gene contents in a 31-kb segment at the left herpesyirus-1.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Schwyzer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bacteria; Firmicutes; Actinobacteria; Actinobacteridae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDLINE=97164286; PubMed=9010999;
Hypothetical protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EQUENCE FROM N.A.
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b the EMBL/GenBank/DDBJ
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I databases.
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Submitted (JAN-2000) to the
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01-OCT-2000
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HSSP; Q07960; 1RGP.
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Mammalia; Eutheria; Primates;
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                                                                                                                                                                                                            GRDAP--APTPCVPAECFDLLVRHCVACGLLRTPRP-KPAGASSPAPRTALQPQES----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GERRALAAFRAARDAEPARAARTRRRDDWRPRDGRHQGRTPRTALSVLLASLTLGGVAY-
                                              QSQQECGGTPPASQSPFHRSLSLEVGGEPLGTSGSGPP
                                                                                                                                         VPPAVLELLGAGGAPASATPTPALSPGRSLRPHLIPLLLRGAEAPLTDACQQEMCSKLRG
                                                                                                                                                                                     GDPAPPASPAPPAPASAFPPRV------TPQAISPRGPTSPASPAALDISEPLAVS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTPPGAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -TTPPGHS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RRQRRLRGASSAEAPDGDKDAPEPLDKVIILSPGISDATAPAWP---PPGEDPG-----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MRGAAGGGPADRAGAEA-DMGARHEAGDGRDTGPRPAPGGVPGTEALLAAALRAESAGTE
                                                                                           AQGPLGPDMESPLPPP--PLSLLRPG----GAP--PPPPKNPARLMALALAERAQQVAEQ
                                                                                                                  ASSAEAPDGDKDAPEPLDKVIILSPGISDATAPAWPPPGEDP---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ---AAMGGGGSASDDGGPDRTRP-
                                                                                                                                                                                                                                                                                                                                            IPR000198; RhoGAP
                                                                                                                                                                                                                                                                                  862 AA; 90295 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (TrEMBLrel. 15, Created)
(TrEMBLrel. 15, Last sequence update)
(TrEMBLrel. 21, Last annotation updat
1 90.3 kDa protein (Fragment).
                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                 N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AA;
                                                                                                                                                                ---VGAGAGEA-ALPLPGILFG---APALLGLALVLALVLVGLVSWRRRORRLRG
                                                                   GTTPPGHSVPVP---ATELGSTELVTTKTAGP
                                                                                                                                                                                                                                                                                                                                                                 CAB70821.1;
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                                                                                                                                                                                                                                               12.0%;
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                                                                                                                                                                                                                                                                                                                                                                             Mewes H.W., Gassenhuber J., EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 116;
Pred. No. 0.
                                                                                                                                                                                                                                               Score 116; DB 4; Pred. No. 0.38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                  0DE275EB8CDB4A76 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FC67F6652FD0480B
                                                                                                                                                                                                                                    Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB :
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                                                                                                                                                                                                                                                        Length
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Best Local S
Matches 49
Query Match
Best Local Similarity
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EMBL; AB011452; BAA32138.1; -.

EMBL; AB011451; BAA32139.1; -.

EMBL; AB011451; BAA32137.1; -.

EMBL; AB011451; BAA32137.1; -.

MGD; MGI:1891160; Chatz.

InterPro; IPR000863; Sulfotransferase.

Pfam; PF00685; Sulfotransfer; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Q8TD92 PRELIMINAKY; ...,
Q8TD92;
Q1-JUN-2002 (TrEMBLrel. 21, Created)
Q1-JUN-2002 (TrEMBLrel. 21, Last sequence update)
Q1-JUN-2002 (TrEMBLrel. 21, Last annotation update)
Q1-JUN-2002 (TrEMBLrel. 21, Last annotation update)
                                                                                Dong X., Chen W.;
"Identification of genes in the chromosome X that are differentially expressed in hepatocellular carcinoma.";
Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; AF490507; AAM08354.1; -.
SEQUENCE 957 AA; 103253 MW; E09F9161384CC2B5 CRC64;
                                                                                                                                                                                                                                                                                                       SEQUENCE FROM N.A. Dong X., Chen W.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-NOV-1998 (TrEMBLrel. 08, Created)
01-NOV-1998 (TrEMBLrel. 18, Last sequence upda
01-DEC-2001 (TrEMBLrel. 19, Last annotation up
N-acetylglucosamine-6-O-sulfotransferase long
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota; Metazoa;
Mammalia; Eutheria;
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Mitsuoka C., Kannagi R., Habuchi O., Muramatsu T.;
"Molecular cloning and characterization of an N-ac
sulfotransferase.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens (Human)
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MEDLINE=98380482; PubMed=9712885;
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(TrEMBLrel. 08, Last sequence update)
(TrEMBLrel. 19, Last annotation update)
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Rodentia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      57814 MW; A113E1B735C363EC CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Chordata;
Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ·PLGMKVFRRKALVLCAGYALLLVLTMLNLLDYKWHKEPLQQCN----PD
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11.6%;
25.6%;
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Pred. No. 0.47;
Score 111.5; Di
Pred. No. 0.94;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Craniata; V
Catarrhini;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Craniata; Vertebrata; Euteleostomi;
Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Vertebrata; Euteleostomi; 
i; Hominidae; Homo.
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                                        Length 957;
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RESULT 10
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                                                                                                                                                                                                                                                                                                             Query Match
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Q9HCI5;
01-MAR-2001
01-MAR-2001
01-JUN-2002
                                                                                                                                                                                                                                                                                                                                                                      XVIII. The complete sequence, code for large proteins in vitro."; DNA Res. 7:273-281(2000).
EMBL; AB046807; BAB13413.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens (Human)
Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIINE=20450683; PubMed=10997877;
Nagase T., Kikuno R., Nakayama M., Hirosawa M., Ohara O.;
"Prediction of the coding sequences of unidentified human
XVIII. The complete sequences of 100 new cDNA clones from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          KIAA1587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KIAA1587 protein
                                                                                                                                                                                                                                                                                                                                      SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                           InterPro; IPR002190; MAGE.
Pfam; PF01454; MAGE; 2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              60 ---- QESVGAGAGEAALPLP--GLLFGAPALLGLALVLALVLVGLVSWRRRQRRLRGAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   54;
                                                                                                                                                                                                                                                               5 PRSLRGRDAPAPTPCVPAECFDLLVRHCVACGLLRTPRPKPAGASSPAPRTALQP----
                                                                                                                                                                                                                                                                                        54,
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                                                                                                                                                                                                                                                                                                   Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SSASGQPTISEGPGTSVLPTPSEGLSTSGPPTISKGLCTSVTLAA----SEGRNTSRPPT
                                                                                                                                                                                           SSASGOPTISEGPGTSVLPTPSEGLSTSGPPTISKGLCTSVTLAA----SEGRNTSRPPT
                                                                                                                                                                                                                 ----QESVGAGAGEAALPLP--GLLFGAPALLGLALVLALVLVGLVSWRRRQRRLRGAS
                                                                                                                                                                                                                                        PADVPGSDVPQG----PSDS-QILQGLCASEG----PSTSVLPTSAEGPSTFVPPTISEA
                                                                                              PTPGEGPGTSVPLAATEGLSTSVQATPDEGP
                                                                                                                    -TP---PGHSVPVPATELGSTELVTTKTAGP
                                                                                                                                             SSEEP-
                                                                                                                                                                   SAEAPDGDKDAPEPLDKV--IILSPGISDATAPAWPP----
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(TrEMBLrel.
(TrEMBLrel.
                                                                                                                                                                                                                                                                                                                                      991 AA;
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                                                                                                                                            -STSVPPTASEVPSTSLPPTPGEGTSTSVPPTAYEGPSTSVVPTPDEGPSTSVL
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                                                                                                                                                                                                                                                                                                                                      106833 MW;
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Primates;
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21,
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                                                                                                                                                                                                                                                                                                 Score 111.5; DI
Pred. No. 0.98;
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                                                                                                                                                                                                                                                                                                                                      1DD36363402BAC81 CRC64;
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                                                                                                                                                                                                                                                                                        86;
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Q23635; Q23635; Q1-NOV-1996 Q1-NOV-1996

(TrEMBLrel. (TrEMBLrel.

01,

Last Created)

sequence update)

PRELIMINARY;

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Best Local S
Matches 45
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Bonfield J., Burton J., Connell M., Copsey T., Cooper J., Coulson A
Craxton M., Dear S., Du Z., Durbin R., Favello A., Fulton L.,
Gardner A., Green P., Hawkins T., Hillier L., Jier M., Johnston L.,
Jones M., Kershaw J., Kirsten J., Laister N., Latreille P.,
Lightning J., Lloyd C., McMurray A., Mortimore B., O'Callaghan M.,
Parsons J., Percy C., Rifken L., Roopra A., Saunders D., Shownkeen
Smaldon N., Smith A., Sonnhammer E., Staden R., Sulston J.,
Thierry-Mieg J., Thomas K., Vaudin M., Vaughan K., Waterston R.,
Watson A., Weinstock L., Wilkinson-Sproat J., Wohldman P.;
"2.2 Mb of contiguous nucleotide sequence from chromosome III of C
                                                                                                                                            SEQUENCE FROM N.A.
STRAIN=A3(2);
Seeger K.J., Harris D
Submitted (JAN-2001)
                                                                                                                                                                                                                                                                                                                                                                                                    Q9AD79 PRELIMINARY; PRT; 221 AA.
Q9AD79; O1-JUN-2001 (TrEMBLrel. 17, Created)
O1-JUN-2001 (TrEMBLrel. 17, Last sequence update)
O1-JUN-2002 (TrEMBLrel. 21, Last annotation update)
Putative secreted protein (Putative membrane protein SCK13.21C OR SCO4929:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "The sequence of C. elegans cosmid ZK84.";
Submitted (APR-1995) to the EMBL/GenBank/DDBJ databases.
EMBL, U23181, AAC48204.1;
SEQUENCE 801 AA; 77123 MW; 070D8F085A71EF28 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A. STRAIN=BRISTOL N2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Watson A., Weinstock I "2.2 Mb of contiguous elegans.";
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MEDLINE=94150718; PubMed=7906398;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Caenorhabditis elegans.
Eukaryota; Metazoa; Nemato
Rhabditidae; Peloderinae;
                                                                                                                                                                                                                                                                                                                                              Streptomyces coelicolor.
Bacteria; Firmicutes; Actinobacteria; Actinobacteridae.
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  Cerdeno A.M., Parkhill J., I Submitted (JAN-2001) to the
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                                                     SEQUENCE FROM N.A.
STRAIN=A3(2);
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                                                                                                                                                                                                                                                                                                                actinomycetales; Streptomycineae;
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Barrell B.G., Rajandream M.A.;
e EMBL/GenBank/DDBJ databases.
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                                                                                                                                               EMBL/GenBank/DDBJ
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Pred. No. 0.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                Streptomycetaceae; Streptomyces
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TPAPAPAAEETPAPETASAAPDAAGGAAPADV
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                                                                                                                                                                                                                                                                                                                                                                                                                                  protein).
                                                                                                                                               databases
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RESULT 12
QBUZ11
ID QBUZ1
AC QBUZ1
DT 01-MA
DT 01-JU
DE UL36
OS PSeud
OC Virus
OC Alpha
OX NCBI-
RN [1]
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RA SEQUE
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Matches 47
Query Match
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SEQUENCE FROM N.A.

STRAIN=A3(2) / M145;
Bentley S.D., Chater K.F., Cerdeno-Tarraga A.-M., Challis G.L.,
Bentley S.D., Chater K.F., Cerdeno-Tarraga A.-M., Kieser H.,
Thomson N.R., James K.D., Harris D.E., Quail M.A., Kieser H.,
Thomson N.R., James K.D., Harris D.E., Quail M.A., Kieser H.,
Harper D., Bateman A., Brown S., Chandra G., Chen C.W., Collins M.,
Cronin A., Fraser A., Goble A., Hidalgo J., Hornsby T., Howarth S.,
Huang C.-H., Kieser T., Larke L., Murphy L., Oliver K., O'Neil S.,
Huang C.-H., Kieser T., Larke L., Murphy L., Oliver K., O'Neil S.,
Rabbinowitsch E., Rajandream M.A., Rutherford K., Rutter S.,
Rabbinowitsch E., Saunders D., Sharp S., Squares R., Squares S., Taylor K.,
Seeger K., Saunders D., Sharp S., Squares R., Squares S., Taylor K.,
Seeger K., Saunders D., Woodward J., Barrell B.G., Parkhill J.,
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EMBL; AL451182; CAD30919.1; -.
INTERPRO; IPR002965; P rich etc
PRINTS; PR01217; PRICHEXTENSN.
Hypothetical protein; Complete I
SEQUENCE 221 AA; 21600 MM; S
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SEQUENCE FROM N.A.
STRAIN=A3(2);
STRAIN=B3(2);
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Nature 417:141-147(2002).
                                                                                       Klupp B.G., Fuchs W., Gr
"The Pseudorabies virus
with the UL37 protein.",
Submitted (DEC-2001) to
                                                                                                                                                                                              NCBI_TaxID=33703;
                                                                                                                                                                                                                                                                UL36 protein.
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01-MAR-2002
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'A set of ordered cosmids and a detailed the 8 Mb Streptomyces coelicolor A3(2) ch Mol. Microbiol. 21:77-96(1996).
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STRAIN=KAPLAN;
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                                                                             EMBL;
                                                                                                                                                                                                                   Alphaherpesvirinae;
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                                             InterPro; IPR005210; Herpes_UL36.
Pfam; PF03586; Herpes_UL36; 1.
                                                                     cne UL37 protein.";
tted (DEC-2001) to the
AJ422133; CAD19511.1;
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21 AA; 21600 MW; SEDE3A6C31AFCE89
                    ; Herpes .... 324401
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uses, no RNA stage; Her
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ument protein
                                ECAD9E1E3DC22D1A CRC64
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01-MAY-1999
01-MAY-1999
01-MAR-2002
P90493 PRELIMINARY;
P90493; 012645; 012646;
01-MAY41997 (Tremblrel.
01-MAY-1997 (Tremblrel.
                                                                                                                                                                                                                                 InterPro; IPRO01830; GT_20.
InterPro; IPRO03337; Trehalose PPase.
Pfam; PF00982; Glyco transf_20; 1.
Pfam; PF02358; Trehalose PPase; 1.
SEQUENCE 994 AA; 109359 MW; 83CBCBFA9DDDEIAD
                                                                                                                                                                                                                                                                                                                   Zentella R., Mascorro-Gallardo R.O., Van Dijck P., Fol
Bonini B., Van Vaeck C., Gaxiola R., Covarrubias A.A.,
Nieto-Sotelo J., Thevelein J.M., Iturriaga G.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Q9ZR75
                                                                                                                                                                                                                                                                                         "Nieto-Sotelo J., Thevelein J.M., Iturriaga G.;
"A Selaginella Lepidophylla trehalose-6-phosphate synthase complements growth and stress-tolerance defects in a yeast tps1 mutant.";
Plant Physiol. 119:1473-1482(1999).
                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A.
TISSUE=2.5 HOURS DESICATED MICROPHYLLS;
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37; Conserv
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                                                                                                                                     WRRRORRLRGASSAEAPDGDKDAPEPLDKVIILSPGISDATAPAWPPPGEDPGTTPPG--
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Isoetopsida; Selaginellales; Selaginellaceae;
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Pred. No. 1.7;
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InterPro;
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                                                                                                                                                                                                                                                       Dolan A.;
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                     794
  169
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Barnett B.C., Dolan A., Telford E.A.R., Davison A.J., "A novel herpes simplex virus gene (UL49A) encodes a procein with counterparts in other herpesviruses."; J. Gen. Virol. 73:2167-2171(1992).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           adjoining parts of the long unique simplex viruses types 1 and 2."; J. Gen. Virol. 72:3057-3075(1991).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE=92113549; PubMed=1662697; McGeoch D.J., Cunningham C., McIntyre G., I "Comparative sequence analysis of the long
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Comparative DNA sequence analysis of the host shutoff genes different strains of herpes simplex virus: type 2 strain HG52 a truncated UL41 product.";
J. Gen. Virol. 71:1387-1390(1990).
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McGeoch D.J., Moss H.W., McNab D., Frame M.C.;
"DNA sequence and genetic content of the HindIII i
unique component of the herpes simplex virus type
identification of the gene encoding glycoprotein (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL; Z86099; CAB06701.1;
EMBL; Z86099; CAB06707.1;
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Everett R., Fenwick M.;
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Alphaherpesvirinae; Simplexvirus
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HERPES SIMPLEX virus type 2
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Pro; IPR005206; Herpes_ICP4_N.
PF03585; Herpes_ICP4_C; 1.
PF03584; Herpes_ICP4_N; 1.
PF03584; Herpes_ICP4_N; 1.
NCE 1318 AA; 135101 MW; 9C
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GSTELVTTKTAGPEQQ
                                      KSPAPARAPPG--GAPRPPKK----SRADAPRPAAAPPA--
                                                                                  RGASSAEAPDGDKDAPEPLDKVIILSPGISDATAPAWPPPGEDPGTTPPGHSVPVPATEL
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viruses, no
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27.6%;
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RNA stage; Herpesviridae;
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Pred. No. 2.
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RA Alzawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaka I.,
RA Alzawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaka I.,
RA Saito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R.,
RA Kadota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,
RA Kadota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,
RA Kuehl P., Lewis S., Matsuo Y., Nikaido I., Pesole G., Quackenbush J.,
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RA Schrimil L.M., Staubii F., Suzuki R., Tomita M., Wagner L., Washio T.,
RA Sakai K., Okido T., Furuno M., Aono H., Baldarelli R., Barsh G.,
RA Blake J., Okido T., Furuno M., Aono H., Baldarelli R., Barsh G.,
RA Blake J., Okido T., Furuno M., Aono H., Baldarelli M., Garriboldi M.,
RA Gustincich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.,
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RA Lyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P.,
RA Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F.,
RA Sasaki H., Toyo-oka K., Wang K.H., Weitz C., Whittaker C., Wilming L.,
Wondone P., Rai K., Wang K.H., Weitz C., Walawi H., Kohteniki S.
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bst Local Similarity 29.8
atches 57; Conservative
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STRAIN=C57BL/6J; TISSUE=TESTIS;
MEDLINE=21085660; PubMed=11217851;
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Mus musculus (Mouse).
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01-JUN-2001 (TrEMBLrel. 17, Created)
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Adult male testis cDNA, RIKEN full-length enriched library,
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Hayashizaki Y.;
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Adachi J., Fukuda S.,
Kondo S., Yamanaka I.,
Kasukawa T., Saito R.,
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